

## Temperature measuring instrument TMD 9



Also available as CAPBs®

- + Short response time for measurements at cycles of a second
- + Large TFT colour display (W x H: 45 x 60 mm) for simultaneous display of four measured values
- + microSD card for system-independent storage of measurement records (HTML format)
- + Data logger function for long-term measurement
- + Multifunctional use of temperature probes via type K socket
- + Three magnets in protective housing for hands-free operation
- + Up to 4 measured value in conjunction with CAPBs® TK 11

Bluetooth



**Application** For temperature measurement on surfaces, liquids, soft plastic media or in air and gases. Ideal also for differential temperature measurements, for example, flow and return temperature.

### Technical specifications

Device model	Measuring range	Resolution	Accuracy (% of measured value)	Thermocouple
<b>TMD 9</b>	-50/+1,150 °C	0.1 °C	±1 °C + 1 digit (up to 300 °C) ±1 % of meas. value (> 300 °C)	Type K (NiCr-Ni)

#### Operating temperature range

Ambient: 0/40 °C  
Storage: -20/+50 °C

#### Hours of operation (eco mode)

Up to 38 hours

#### Weight

Approx. 154 g

#### Dimensions

W x H x D: 66 x 143 x 37 mm

#### Display

2.8 " TFT colour display  
W x H: 45 x 60 mm

#### Indication of measured values

°C or °F

#### Probe connection

2 x type K socket

#### Supply voltage

Lithium-ion battery (3.6 V/1800 mAh)  
or power supply unit (mini USB)

#### Interfaces

Infrared, Bluetooth®, QR code generator,  
microSD card slot

#### Data memory

microSD card (incl. data logger function)

#### Data logger

1–999 seconds, interval freely selectable

#### Approvals

EN 50379-1

#### Scope of delivery

- Measuring instrument with power supply unit and charging cable
- Mini USB and microSD card including USB 2.0 SD card reader

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See page 90 for accessories. See page 100 for ISO calibration.



DG: B, PG: 4

Temperature measuring instrument TMD9








Part no.

**P00099**

Price €

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# Probes for temperature measuring instruments

DG: B, PG: 4	Part	Description	BLUELYZER ST	EUROPOLYZER STx	MULTIPLYZER ST16/STx	MFM 22	TMD 9	CAPBS®	Suitable for	Part no.	Price €
<b>Temperature probe TFB</b>											
	<b>Spike probe TFB-ES 600</b>		•	•	•	•	•	•		<b>523034</b>	
	<b>Air, gas, liquid probe TFB-LGF 900</b>		•	•	•	•	•	•		<b>523035</b>	
	<b>Surface probe TFB-OF 450</b>		•	•	•	•	•	•		<b>523033</b>	
	<b>HT probe TFB-HT 1150-1</b>	700 mm	•	•	•	•	•	•		569853	
	<b>HT probe TFB-HT 1150-2</b>	1,000 mm	•	•	•	•	•	•		569854	
	<b>Surface tempera- ture probe TBF-OF 120</b>	Operating temperature range: -20/+120 °C						•		<b>522991</b>	
	<b>Ambient air probe TFB-UL 50-1</b>		•	•	•	•	•	•		<b>521844</b>	
	<b>Clamp probe TFB-ZF 120</b>	Operating temperature range: -40/+120 °C	•	•	•	•	•	•		<b>511098</b>	